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Cowbridge Rural District Council



# Annual Report

of the

Medical Officer of Health

for the Year

1953



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COWBRIDGE RURAL DISTRICT COUNCIL

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PUBLIC HEALTH OFFICERS, 1953

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*Medical Officer of Health :*

G. McKIM THOMAS,  
M.R.C.S., L.R.C.P., L.D.S. (Eng.), D.P.H. (Lond.)

*Sanitary Inspector :*

HUBERT THOMAS,  
M.R.S.I., M.S.I.A., MEAT AND FOODS CERTIFICATE

*Technical Assistant :*

PHILIP BATTRICK

*Clerk :*

MISS P. HOPKIN

## COWBRIDGE RURAL DISTRICT COUNCIL

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HEALTH DEPARTMENT,  
EASTGATE STREET,  
COWBRIDGE, GLAM.

### To the Chairman and Members of the Cowbridge Rural District Council

LADY AND GENTLEMEN,

I beg to present my Annual Report upon the Cowbridge Rural District for the year 1953. In Circular 1/54 (Wales) it indicates that the Report should follow the general lines of previous years and include information asked for in Circular 42/54 (Wales), that is, the qualifications and duties of the Authority's Medical Officer of Health—together with a list of Committees which are concerned with matters of public health.

Information is particularly asked for upon "Food"—under the heading of meat, milk and other foods and upon clean food campaigns. In the body of the Report will be found a section dealing with these matters.

During the year substantial progress has been made in providing new Council houses and in particular at the Llanharry Site, where 147 houses were completed and occupied by the end of the year out of a total of 278 for this site.

It is of particular interest to note that the Joint Sewerage Scheme between the Rural District and the Borough was commenced during the year, and at the end of the year the sewer had been laid in several parts of the district.

The general state of health of the inhabitants has been good and there have not been any serious outbreaks of major infectious disease or food poisoning.

The general death rate was 5.76, which figure compares favourably with the rural districts.

The expectation of life is increasing each year and 49% of the deaths occurred in persons over the age of 65 years.

The infantile mortality rate was 24.77 and this figure compares very well with other districts.

Progress has been made in getting rid of some old worn out houses and the re-housing of the tenants in more satisfactory conditions—but at the same time every effort must be made to preserve those houses which are capable of being repaired either by way of improvement grants or without grants.

## SOCIAL CONDITIONS

The Cowbridge Rural Area comprises the southern perimeter of the South Wales Coalfield and a good proportion of the fertile farm lands of the Vale of Glamorgan. The southern boundary is formed by some ten miles of Bristol Channel foreshore, and on the remaining boundaries are the Rural Areas of Penybont, Llantrisant and Llantwit Fardre and Cardiff. The Borough of Cowbridge extends over 85 acres in the centre of the Rural District. There are 28 parishes of varying sizes subdividing the District.

From the centre, the land falls away in a gentle slope towards the sea to form the very fertile agricultural lands which are worked as the main industry of the district. The northern parts of the area are hilly, reaching in some points to 900 feet above sea level.

In this higher portion are sited two important collieries, a by-product works, an iron ore mine, a large milk factory, pre-cast cement factory, a drop forge foundry and a smelting works.

Although farming is the major industry in the southern and central areas, a fair proportion of the available labour is absorbed by three large stone quarries and a tile factory in the centre, and by the two large Air Stations at St. Athan and Llandow in the south. The labour forces at the collieries and R.A.F. Stations are supplemented by personnel who come into the area daily from outside.

Public mains water is available in each village of the twenty-eight parishes. The villages and townships of Llanharan, Brynna, Thomas-town, Ynysmardy, Llanharry and Tylagarw are sewered to municipal disposal works, and those of Llantwit Major, Boverton and St. Athan have sewers to sea outfalls. The Council's hutted sites at Leechmore, Highfield and St. Donats are sewered to private disposal works with the Llandow Aerodrome.

A commencement was made on the new sewerage scheme designed to serve the villages of Llanblethian and Aberthin.

62.8% of the houses in the area are connected to public or private sewerage systems. 77.6 % of the houses in the area are provided with water closets.

Refuse collection in the whole area is carried out by direct labour with a small fleet of three modern collection vehicles. Cesspool emptying throughout the area is carried out to satisfaction with a modern mechanical emptier.

The comprehensive refuse bin provision scheme is being extended in stages throughout the area.

Electric light is available in every village of the District and during the year many extensions were made to serve outlying farms and other households.

### MAIN INDUSTRIES OF THE AREA 1953

A. Morgan & Sons, Hay Drying Plant, Llantwit Major.  
Marley Tile Factory, St. Mary Hill (Roofing Tiles).  
The Cambrian Forge and Foundry Ltd., Tylagarw (Drop Forge).  
Ministry of Supply, Llandow (Aeroplane Dismantling).  
Ely Steam Joinery, Tylagarw.  
Wales Gas Board, Gas Works, Tylagarw.  
United Clubs Brewery, Tylagarw.  
National Coal Board, Coedely (Brick Manufacture)  
Llanharan C.W.S. Dairy (Pasteurising Plant)  
38 M.U., R.A.F., Llandow (Aeroplane Fitting)  
Norman Watson Decorations Ltd., St. Athan (Building Operations).  
W. E. Chivers & Sons, Ltd., St. Athan (Joinery and Building Works)  
National Coal Board, Coke Ovens & By-Products, Coedely.  
Noah Rees and Griffin Ltd., Llantwit Major (Agricultural Repair Shop).  
Glamorgan Agricultural Executive Committee, Crossways (Agricultural Machinery)  
British Portland Cement Co., Llanharry (Lime Milling).  
19 M.U., R.A.F., St. Athan (Aeronautical Engineers).  
Bronze Smelters, Ltd., Tylagarw.  
Woolaway Construction Co., Ltd., Tylagarw.  
Alcrop Driers Ltd., St. Athan (Crop Driers).  
Bird & Howard Ltd., Cowbridge (Tractor, Mowers and Agricultural Engineers).



## SECTION A.

### STATISTICS OF THE AREA.

Area (in acres) .....	40,020
Total Population (mid-year 1953) .....	20,830
Number of houses occupied, December, 1953 .....	3,700
Rateable value (March, 1953) .....	£87,590
Product of a penny rate (March, 1953) .....	£346 10s. 0d.

### EXTRACTS FROM VITAL STATISTICS OF THE YEAR

#### BIRTH RATE PER 1,000 POPULATION

Birth Rate for Cowbridge Rural Area .....	15.51
Birth Rate for England and Wales .....	15.5
Birth Rate of Administrative County of Glamorgan .....	16.16
Birth Rate for Rural Districts in Glamorgan .....	15.60

#### DEATH RATE PER 1,000 POPULATION

Death Rate for Cowbridge Rural Area .....	5.76
Death Rate for England and Wales .....	11.4
Death Rate for Administrative County of Glamorgan .....	11.78
Death Rate of Rural Districts in Glamorgan .....	11.37

#### STILL BIRTHS

The 7 Still Births constitute a rate of 21.6 per 1,000 total Births.

#### DEATH RATE OF INFANTS UNDER ONE YEAR OF AGE

All infants per 1,000 births .....	24.77
Legitimate infants per 1,000 legitimate live births .....	25.6
Illegitimate infants per 1,000 illegitimate live births .....	Nil
Deaths from Measles (under 2 years) .....	Nil
Deaths from Whooping Cough (under 2 years) .....	1
Deaths from Diarrhoea (under 2 years of age) .....	1

# CAUSES OF INFANT DEATHS AT VARIOUS AGES DURING 195

DISEASES	WEEKS				Total first month	MONTHS				TOTAL
	1	2	3	4		1-3	3-6	6-9	9-12	
Gastro Enteritis .....	-	-	-	-	0	-	-	1	-	1
Meningitis .....	-	1	-	-	1	-	-	-	-	1
Intracranial Hem'rhage	1	-	-	-	1	-	-	-	-	1
Bilateral Pneumonia .....	-	-	-	-	0	1	-	-	-	1
Prematurity .....	3	-	-	-	3	-	-	-	-	3
TOTALS .....	4	1	-	-	5	1	-	1	-	7

## Births

The number of Births and the Birth Rates in the District and England and Wales for the past thirteen years is shewn in the following table :—

YEAR	BIRTHS	BIRTH RATE FOR AREA	BIRTH RATE FOR ENGLAND AND WALES
1940 ....	223	17.8	14.6
1941 ....	223	17.6	14.2
1942 ....	264	21.5	15.8
1943 ....	275	22.5	16.5
1944 ....	306	24.6	17.6
1945 ....	266	21.7	16.1
1946 ....	281	22.0	19.1
1947 ....	367	28.0	20.5
1948 ....	317	23.1	17.9
1949 ....	315	22.8	16.7
1950 ....	289	16.00	15.8
1951 ....	303	15.26	15.5
1952 ....	295	14.66	15.3
1953 ....	323	15.51	15.5

## Death Rate

YEAR	COWBRIDGE R.D.	ENGLAND AND WALES
1940....	11.9	14.3
1941....	12.6	12.9
1942....	13.0	11.6
1943....	11.9	12.1
1944....	10.3	11.6
1945....	12.9	11.4
1946....	10.7	11.5
1947....	11.1	12.0
1948....	10.0	10.8
1949....	9.0	11.7
1950....	7.59	11.6
1951....	7.46	12.5
1952....	6.96	11.3
1953....	5.76	11.4

### Ages of Death in Cowbridge Rural Area

AGE GROUP	1951		1952		1953	
	<i>M</i>	<i>F</i>	<i>M</i>	<i>F</i>	<i>M</i>	<i>F</i>
Under 1 year	5	4	3	6	5	2
1—10	-	3	1	1	1	2
11—20	1	1	1	1	2	-
21—30	5	3	2	-	3	2
31—40	5	1	2	1	3	3
41—50	7	4	3	1	6	6
51—60	16	7	10	7	10	8
61—65	9	3	8	6	8	2
66—70	12	6	9	9	7	5
71—75	11	2	15	10	6	4
76—80	8	14	6	11	8	9
81—85	8	6	9	9	6	5
86—90	4	2	1	2	2	5
91—95	-	1	3	2	1	1
96—100	-	-	-	1	-	-
	91	57	73	67	68	52

Percentage of Deaths over 65 years.of age	1951	....	50%
"      "      "      "      "      "      "      "	1952	....	62%
"      "      "      "      "      "      "      "	1953	....	49%

## CAUSES OF DEATH—1953

The following table sets out in order details of the number of deaths under the various heads :—

<i>Disease</i>	<i>Males</i>	<i>Females</i>	<i>Total</i>
Tuberculosis, Respiratory ....	1	1	2
Tuberculosis, Other ....	—	—	—
Syphilitic, Disease ....	—	1	1
Diphtheria ....	—	—	—
Whooping Cough ....	—	1	1
Meningococcal Infections ....	—	—	—
Acute Poliomyelitis ....	—	—	—
Measles ....	—	—	—
Other Infective and Parasitic Diseases ....	—	—	—
Malignant Neoplasm, Stomach ....	2	—	2
Malignant Neoplasm, Lungs, Bronchus ...	4	—	4
Malignant Neoplasm, Breast ....	—	—	—
Malignant Neoplasm, Uterus ....	—	1	1
Other Malignant and Lymphatic Neoplasms	6	5	11
Leukaemia, aleukaemia ...	—	—	—
Diabetes ....	—	—	—
Vascular Lesions of Nervous System ....	9	4	13
Coronary Disease, Angina ....	7	4	11
Hypertension with Heart Disease ....	1	2	3
Other Heart Disease ....	7	13	20
Other Circulatory Disease ....	1	—	1
Influenza ....	—	—	—
Pneumonia ....	1	1	2
Bronchitis ....	7	5	12
Other Diseases of Respiratory system ...	—	1	1
Ulcer of Stomach and Duodenum ....	—	—	—
Gastritis, Enteritis and Diarrhoea ...	1	—	1
Nephritis and Nephrosis ....	—	1	1
Hyperplasia of Prostate ....	1	—	1
Pregnancy, Childbirth, Abortion ....	—	—	—
Congenital Malformations ....	2	—	2
Other Defined and Ill-defined Diseases ....	13	10	23
Motor Vehicle Accidents ....	1	1	2
All Other Accidents ....	4	—	4
Suicide ....	—	1	1
Homicide and Operations of War ....	—	—	—
TOTAL	68	52	120

**GLAMORGAN (ADMINISTRATIVE COUNTY)—VITAL STATISTICS, 1953**

					Estimated Population 1953	Births		Deaths		Infant Mortality		Neo-Natal Mortality	
						Number of Births	Rate per 1,000 Population	Number of Deaths	Rate per 1,000 Population	Deaths under 1 Year	Rate per 1,000 Live Births	Deaths under 4 weeks	Rate per 1,000 Live Births
England and Wales	....	....	....	....	—	—	15.5	—	11.4	—	26.8	—	17.7
Administrative County	....	.....	....	....	736,300	11,897	16.16	8,673	11.78	371	31.18	230	19.33
Urban Districts	....	....	....	....	533,100	8,728	16.37	6,363	11.94	254	29.10	156	17.87
Rural Districts	....	....	....	....	203,200	3,169	15.60	2,310	11.37	117	36.92	74	23.35
<b>Health Division</b>	<b>Constituent Districts</b>												
Aberdare and					40,700	552	13.56	600	14.74	17	30.80	14	25.36
Mountain Ash					30,970	525	16.95	349	11.27	13	24.76	9	17.14
Caerphilly and	Caerphilly Urban	....	....	....	36,550	735	20.11	339	9.27	27	36.73	15	20.41
Gelligaer	Gelligaer Urban	....	....	....	35,980	664	18.45	389	10.81	21	31.63	8	12.05
Mid-Glamorgan	Bridgend Urban	....	....	....	13,770	224	16.27	137	9.95	9	40.18	7	31.25
	Maesteg Urban	....	....	....	22,880	423	18.49	252	11.01	14	33.10	9	21.28
	Ogmore and Garw Urban	....	....	....	22,420	375	16.73	258	11.51	16	42.67	9	24.00
	Porthcawl Urban	....	....	....	9,781	139	14.21	134	13.70	6	43.17	4	28.78
	Penybont Rural	....	....	....	35,250	584	16.57	456	12.94	19	32.53	12	20.55
Neath and District	Neath M.B.	....	....	....	31,590	448	14.18	355	11.24	8	17.86	6	13.39
	Neath Rural	....	....	....	41,200	616	14.95	448	10.87	31	50.32	23	37.34
Pontypridd and Llantrisant	Llantrisant Rural	....	....	....	25,570	512	20.02	263	10.29	20	39.06	10	19.53
	Pontypridd Urban	....	....	....	38,200	579	15.16	645	16.88	11	19.00	8	13.82
Port Talbot and Glyncoirwg	Glyncoirwg Urban	....	....	....	9,490	183	19.28	101	10.64	8	43.72	3	16.39
	Port Talbot M.B.	....	....	....	45,170	836	18.51	501	11.09	16	19.14	12	14.35
South-East Glamorgan	Barry M.B.	....	....	....	41,160	727	17.66	402	9.77	22	30.26	14	19.26
	Cardiff Rural	....	....	....	36,550	483	13.21	461	12.61	8	16.56	6	12.42
	Cowbridge M.B.	....	....	....	1,029	12	11.66	12	11.66	—	—	—	—
	<b>Cowbridge Rural</b>	....	....	....	<b>20,830</b>	<b>323</b>	<b>15.51</b>	<b>120</b>	<b>5.76</b>	<b>8</b>	<b>24.77</b>	<b>5</b>	<b>15.48</b>
	Penarth Urban	....	....	....	18,760	317	16.90	221	11.78	3	9.46	1	3.15
West Glamorgan	Gower Rural	....	....	....	11,630	203	17.45	137	11.78	9	44.33	4	19.70
	Llchwyr Urban	....	....	....	25,550	323	12.64	267	10.45	12	37.15	5	15.48
	Pontardawe Rural	....	....	....	32,170	448	13.93	425	13.21	22	49.11	14	31.25
Rhondda	Rhondda Urban	....	....	....	109,100	1,666	15.27	1,401	12.84	51	30.61	32	19.21



# Birth Rates, Death Rates and Analysis of Mortality in the Year, 1953

	Live Births (Rate Per 1,000 Home Popu-lation)	Still births Per 1,000 popu-lation	Annual Death Rate per 1,000 Population							Deaths under 2 years of age	Deaths under 1 year of age		
			All Causes	Ty-phoid and Para-ty-phoid	Small Pox	Acute Polio-myel-itis & Polio-ence-phalitis	Pneu-monia	Whoop-ing Cough	Diph-theria	Influ-enza	Tuber-cul-osis	Enteritis and Diarrhoea (per 1,000 live births)	All Causes (per 1,000 live births)
England and Wales ....	15.5	0.35	11.4	0.00	0.00	0.01	0.55	0.01	0.00	0.16	0.20	1.1	26.8
160 County Boroughs & Great Towns (in-cluding London) ....	17.0	0.43	12.2	0.00	—	0.01	0.59	0.01	0.00	0.15	0.24	1.3	30.8
160 Smaller Towns (Re-sident Popu-lation, 25,000—50,000 at 1951 Census)	15.7	0.34	11.3	0.00	—	0.01	0.52	0.00	0.00	0.17	0.19	0.9	24.3
London Administrative County....	17.5	0.38	12.5	—	—	0.01	0.64	0.00	0.00	0.15	0.24	1.1	24.8
Cowbridge RDC	15.51	0.33	5.76	—	—	—	0.08	0.04	—	—	0.08	.04	24.7



## SECTION B.

### GENERAL PROVISION OF HEALTH SERVICES IN THE AREA

#### Laboratory Facilities

Pathological specimens are examined at the Ministry of Health's Laboratory, The Parade, Cardiff. Chemical analysis is conducted by The Cardiff and County Public Health Laboratory at the same address.

#### Treatment Centres

<i>Disease</i>	<i>Clinic</i>
Tuberculosis .....	(a) Tuberculosis Dispensary, Old Cottage Hospital, Bridgend.  (b) Tuberculosis Dispensary, Court House Street, Pontypridd.
Venereal Diseases .....	(a) Central Homes, Court House Street, Pontypridd.  (b) Public Health Offices, Woodlands Road, Barry.

#### Hospitals

##### (a) GENERAL HOSPITALS

Patients from this Area needing medical or surgical attention are admitted to :—

1. Cardiff Royal Infirmary.
2. The Mid-Glamorgan County Hospital, Quarella Road Bridgend.

##### (b) ORTHOPAEDIC HOSPITALS

Orthopaedic cases may receive treatment at the Prince of Wales Hospital, The Parade, Cardiff. In-patients are also treated at Crossways Hospital, Cowbridge (within this Area).

##### (c) INFECTIOUS CASES

Cases are usually admitted to the Isolation Hospital, Cefn Hirgoed, near Bridgend, but under the regionalisation of Hospitals, patients are occasionally admitted to Infectious Disease Hospitals in other localities.

#### Ambulance Facilities

The Area Ambulance Services are administered from the Divisional Fire Service Station, Glanogwr Road, Bridgend. One of the vehicles is stationed at The Ambulance Centre, Town Hall, Cowbridge.



## **Committees**

The Public Health and Housing Committees deal with public health matters and the full Council also considers special public health subjects.

### **National Assistance Act, 1948**

The District Council are responsible for the burial of all persons where it appears that no suitable arrangements for burial could be made otherwise than by the local authority.

During the year two such cases were reported. The first was the body of an unidentified person washed up from the sea at Llantwit Major. The body, which was in an advanced stage of decomposition, was removed to the Royal Air Force Mortuary at St. Athan and was subsequently removed to the Barry Borough Mortuary pending police investigations. The body was not identified and arrangements were made by the Council for burial.

The second case consisted of an aged widow who had no immediate relations in a position to pay the funeral expenses. The funeral arrangements in this case were also carried out by the Council.

No persons needing care and attention were removed to the hospital during the year.

### **PREVALENCE and CONTROL OVER INFECTIOUS DISEASES**

Throughout the year 266 notifications of infectious diseases were received as compared with 88 for the previous year. The increase in the figures is due to an extensive outbreak of measles of which there were 203 cases as against 26 for the year 1952.

Again this year I am pleased to report that there has not been a case of Diphtheria notified, but I must repeat it is of utmost importance, if we are to keep free from cases of Diphtheria, that immunisation of babies is essential, and furthermore that even when immunisation has been carried out during the first year "boosting doses" are necessary when the child first enters school and also at about the age of 9 years. It is only in this way control can be kept over this disease. The following figures have been received from the Divisional Medical Officer

#### **Vaccination**

Vaccination against smallpox is mainly carried out by the family practitioner and it is now a purely voluntary matter, but it is important that as many children as possible receive this treatment during the first few months.

IMMUNISATION, 1953			VACCINATION, 1953	
<i>Under 5</i>	<i>5-15 years</i>	<i>Booster</i>	<i>Children Vaccinated</i>	<i>Percentage Rate of Vaccinated</i>
76	41	81	73	29%

### **Scarlet Fever**

Sixteen cases were notified and of these it was necessary for two to be removed to the Isolation Hospital for treatment. The present idea is that it is better to nurse cases of this type at home rather than in hospital unless there are some special features necessitating removal.

### **Measles**

There are fewer complications following this disease nowadays, no doubt due to the improved nutrition of the children and also to the generally improved housing and sanitary conditions.

### **Whooping Cough**

Thirty children were notified as suffering from this disease as compared with 22 for the previous year. Here again innoculation is playing its part in preventing this disease and lessening the severity of the attack should it occur.

### **Anterior Poliomyelitis**

This year there were no cases of the disease.

### **Dysentery**

No cases were notified during the year.

### **Paratyphoid**

No cases were notified during the year.

### **Food Poisoning**

One case of *Salmonella typhimurium* was notified from the Llanharan area in December, 1953. The diagnosis was made after admission to hospital. The particular food causing the infection was not ascertained.

# INCIDENCE OF INFECTIOUS DISEASES IN THE VARIOUS PARISHES DURING 1953

PARISH	Measles	Whooping Cough	Scarlet Fever	Pneumonia	Salmonella Infection	Meningococcal Infection	Puerperal Pyrexia
St. Andrew's Minor ....	—	—	—	—	—	—	—
St. Athan ....	79	4	3	5	—	1	3
Colwinstone ....	—	—	—	—	—	—	—
St. Donats ....	—	—	—	—	—	—	—
Eglwysbrewis ....	—	—	—	—	—	—	—
Flemingstone ....	5	—	—	—	—	—	—
Gileston ....	1	1	—	—	—	—	—
St. Hilary ....	—	—	—	—	—	—	—
Llanblethian ....	4	—	—	—	—	—	—
Llandow ....	2	—	—	—	—	—	—
Llanfair ....	—	—	—	1	—	—	—
Llangan ....	—	—	3	—	—	—	—
Llanharan ....	22	7	1	2	1	—	—
Llanharry ....	4	11	5	1	—	—	—
Llanilid ....	—	—	—	—	—	—	—
Llanmaes ....	2	—	—	—	—	—	—
Llanmihangel ....	—	—	—	—	—	—	—
Llansannor ....	—	—	—	1	—	—	—
Llantwit Major ....	36	4	4	1	—	—	—
Llysworney ....	2	—	—	—	—	—	—
Marcross ....	6	—	—	—	—	—	—
St. Mary Hill ....	—	—	—	—	—	—	—
Monknash ....	1	—	—	—	—	—	—
Nash ....	—	—	—	—	—	—	—
Penllyne ....	—	—	—	—	—	—	—
Peterstone-super-Montem ....	38	2	—	—	—	1	—
Stembridge ....	—	—	—	—	—	—	—
Ystradowen ....	1	1	—	—	—	—	—
TOTAL ....	203	30	16	11	1	2	3
Cases Admitted to Hospital ....	6	—	2	4	1	2	3

# EXAMINATION OF PATHOLOGICAL SPECIMENS, 1953

Nature of Specimen	Number Examined	Negative	Positive
Faeces for Enteric ....	2	2	-
Faeces for Dysentery ....	2	2	-
Swabs for Diphtheria ....	12	12	-
Swabs for Haemolytic Streptococci ....	14	11	3
Sputum for T.B. ....	1	1	-
Faeces for Roundworms ....	1	1	-
Faeces for Threadworms ....	1	1	-
Faeces for Ova ....	1	1	-
Blood for Organisms ....	1	1	-
Swabs for Monilia ....	3	3	-
Swabs for Trichomona ....	3	3	-
Swabs for Staph. Albus ....	3	1	2
TOTALS ....	44	39	5

## TUBERCULOSIS New Cases and Mortality during 1953

AGE PERIODS	NEW CASES				DEATHS			
	Respiratory		Non-Resp'y		Respiratory		Non-Resp'y	
	M.	F.	M.	F.	M.	F.	M.	F.
Years								
Under 1 ....	—	—	—	—	—	—	—	—
1—5 ...		1	1					
5—15 ...		1	4					
15—25 ...	1	1						
25—35 ....		3						
35—45 ..	2			1				
45—55 ....		1	1			1		
55—65 ...	3	1			1			
65 and over...								
TOTALS ....	6	8	6	1	1	1		

## DETAILS OF CASES ON REGISTER

	Respiratory		Non-Respiratory		Total
	M.	F.	M.	F.	
Cases on Register at commencement of year	49	35	7	16	107
Cases on register at end of year	45	36	12	14	107

### Tuberculosis

There were 14 persons notified as suffering from pulmonary tuberculosis and seven from non-pulmonary. These figures compare with 21 and 7 for the previous year.

During the latter part of the year arrangements were made for the Mobile X-Ray Unit to visit the district and from 30th November to 4th December the Unit was stationed at Cowbridge, and from 14th December to 18th December at Llanharan.

Posters and leaflets were displayed and distributed throughout the locality, and a number of local organisations were most helpful in arranging for the distribution of leaflets, etc.

The attendances and results of the survey are shown in the following tables.

### Tubercular Cervical Adenitis at Llanblethian

In the latter part of November, 1953, a local medical practitioner notified the Health Department that he had a probable case of Tubercular Glands at Llanblethian and asked if samples of the milk supply to the household concerned could be taken for examination. It was found that this supply was from an Attested Herd, and a sample was taken next day. The practitioner later reported that several other children in the village had similar symptoms and further samples were immediately taken for biological examination. The results were negative.

The farmer concerned was interviewed and stated that he was in good health and that his cows, had been clinically examined by the Ministry of Agriculture Veterinary Officer on the previous day and found to be free from clinical evidence of tuberculosis.

Further investigations with the Veterinary Officer disclosed that a recently calved cow had been purchased at an Attested Market and introduced in to the herd in October, 1953. The farmer had noted an enlargement of the udder in this cow. Tests were made and a positive report resulted in the cow being slaughtered under the Tuberculosis Order, and tuberculosis was limited to the two quarters of the udder.

Individual and group samples were taken from the herd as a further check. These were examined microscopically and proved to be negative.



## **Summary**

From the evidence gained it seems that the affected cow was present at the farm from 7th October, 1953, until it was slaughtered on the 21st November. Part of this period was spent in isolation at the farm. The farmer claimed that at no time was this cow's milk included in his retail round in the village of Llanblethian.

A routine sample of milk taken from the herd on the 1st October, 1953, was negative as were the special samples taken on the 1st December and the 10th December, 1953. The affected cow was not present at the farm on any of these dates and therefore her milk was not included in the samples taken.

Six cases of children with tubercular adenitis were notified by the practitioner in the period of two weeks. Each household obtained milk from the same producer retailer.

Immediately the situation came to light, information was passed to the County Medical Officer who undertook Mantoux testing at Pontfaen Primary School and the Girls' High School. All the younger children were examined and those giving reaction were submitted for X-ray examination. This special work was proceeding at the end of the year.

## **REVIEW OF TUBERCULOSIS FOR 1953**

The problems associated with the campaign to reduce the incidence of Tuberculosis in the area have been kept in mind during the year under review.

Many visits were made during the year to houses where registered cases reside, in order to advise and help in home and nursing matters. Terminal disinfection was carried out in all instances where there was temporary or permanent removal of the case from the household.

A close liaison exists between the Tuberculosis Physician, The County Health Office and the District Health Department on all matters relating to tuberculosis and environmental hygiene.

Complete registers of cases and environmental conditions are kept in the Department to assist in the preventive and after-care hygiene.

## **Comparison with Other Diseases**

The Registrar-General's figures for deaths from specific diseases show that whereas there were two deaths in the year from tuberculosis, there were :—

- 35 deaths from heart diseases.
- 14 deaths from pneumonia and bronchitis.
- 18 deaths from cancer.
- 13 deaths from vascular lesions of the nervous system.

## **Tuberculosis and Housing**

The living conditions of tuberculosis patients have been given special attention in order to improve those housed in lower category dwellings.

When necessary, special reports were placed and representations were made to Local House Letting Committees for priority to be given to needy case.

The standard of housing accommodation of patients has been reviewed for the year 1953 and a summary of the position at the end of the year as compared with that for 1950, 1951, and 1952 is as follows :—

Category of Houses	Pulmonary				Non-Pulmonary			
	1950	1951	1952	1953	1950	1951	1952	1953
1. Satisfactory .....	46	53	52	50	24	24	17	18
2. Needing minor repairs	13	15	18	19	3	3	2	4
3. Requiring structural alterations	17	11	12	10	5	4	2	2
4. Suitable for reconditioning	2	—	1	1	—	—	2	2
5. Requiring demolition .....	3	1	1	1	1	1	—	—
TOTALS	81	80	84	81	33	32	23	26

The above categories are those adopted for the Rural Housing Survey.

**Statement showing Number of Cases of Tuberculosis in the Various Parishes as at 31st December, 1953**

PARISH	MALES		FEMALES		TOTAL
	<i>Pulmonary</i>	<i>Non-Pulmonary</i>	<i>Pulmonary</i>	<i>Non-Pulmonary</i>	
St. Athan .....	4	—	2	1	7
Colwinston .....	—	1	1	—	2
St. Donats .....	1	—	—	—	1
Flemingstone .....	—	—	—	2	2
Llanblethian .....	4	—	1	—	5
Llandow .....	—	1	1	1	3
Llanfair .....	—	—	—	1	1
Llangan .....	—	1	—	—	1
Llanharan .....	10	1	10	4	25
Llanharry .....	3	1	5	—	9
Llanmaes .....	1	—	—	—	1
Llansannor .....	—	1	1	—	2
Llantwit Major .....	9	4	5	4	22
Marcross .....	1	—	1	—	2
St. Mary Hill .....	—	—	2	—	2
Monknash .....	1	—	—	—	1
Penllyne .....	—	—	1	—	1
Peterstone-s-M. ....	10	2	6	1	19
Ystradowen .....	1	—	—	—	1
	45	12	36	14	107

Table showing the Proportion of Cases on the Register and Annual Deaths  
in Relation to the Population

Year	Population of District	Cases of Tuberculosis on Register		Deaths	
		Number	Ratio to Population	Number	Ratio to Population
1936 ....	10,290	57	1/187	7	1/1470
1939 ....	13,840	42	1/329	5	1/2768
1940 ....	12,540	52	1/241	3	1/4180
1941 ....	12,680	61	1/208	8	1/1585
1942 ....	12,260	70	1/175	13	1/943
1943 ....	12,230	72	1/169	8	1/1528
1944 ....	12,440	87	1/143	12	1/1037
1945 ....	12,270	90	1/136	3	1/4090
1946 ....	12,750	104	1/122	5	1/2550
1947 ....	13,110	115	1/114	8	1/1637
1948 ....	13,700	131	1/104	8	1/1712
1949 ....	13,820	117	1/118	9	1/1535
1950 ....	18,060	114	1/149	5	1/3612
1951 ....	19,850	111	1/179	3	1/6616
1952 ....	20,120	107	1/188	2	1/10060
1953 ....	20,830	107	1/194	2	1/10415

#### SUMMARY OF NON-PULMONARY CASES OF T.B.

LOCATION				MALE	FEMALE	TOTAL
Peripheral Glands	....	....	....	5	3	8
Cervical Glands	....	....	....	3	3	6
Shoulder	....	....	....	1	1	2
Bones of Foot	....	....	....	1	-	1
Hip	....	....	....	1	-	1
Rib	....	....	....	1	-	1
Knee	....	....	....	-	1	1
Nasal Septum	....	....	....	-	1	1
Hilum Glands	....	....	....	-	2	2
Bones and Joints	....	....	....	-	1	1
Abdomen	....	....	....	-	1	1
Kidney	....	....	....	-	1	1
TOTAL				12	14	26



## MASS RADIOGRAPHY SERVICE

Details of Mass Radiographic Survey Carried out amongst  
Llanharan General Population, December, 1953

TABLE "B"  
DETAILS OF OTHER ABNORMALITIES

	T.	M.	F.
Bony Abnormality .....	2	1	1
Bronchitis and Emphysema .....	3	2	1
Pneumoconiosis .....	145	145	—
Pleural Thickening .....	2	2	—
Foreign Body in Lung .....	1	1	—
Healed Post Primary P.T. ....	2	2	—
Basal Fibrosis .....	1	—	1
Acquired Heart Disease .....	1	—	1
Dextro Cardia.....	1	—	1
	158	153	5

Details of Mass Radiographic Survey Carried out amongst  
Cowbridge General Population, December, 1953

	T.	M.	F.
Bony Abnormality .....	14	7	7
Pneumoconiosis .....	9	9	—
Pleural Thickening .....	1	1	—
Acquired Heart Disease .....	2	1	1
Bronchiectasis .....	3	—	3
Retro-Sternal Goitre .....	1	—	1
Thyroid .....	1	—	1
Healed Post-Primary P.T. ....	2	1	1
Abnormality of Diaphragm .....	1	—	1
	34	19	15

# WELSH REGIONAL HOSPITAL BOARD—MASS RADIOGRAPHY SERVICE

Details of Mass Radiographic Survey Carried out at Llanharan General Population, December, 1953.

## Analysis in Age Groups

	Grand Total	Under 15		15-24		25-34		35-44		45-59		60 and Over		Totals	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F
Total number examined ....	665	12	14	65	53	97	66	96	40	111	32	61	18	442	223
Number found to be abnormal ....	158 or 23.8%	—	—	1	2	9	—	36	2	65	—	42	1	153	5
Classification of abnormal cases :—															
(a) Pulmonary tuberculosis	Nil														
(b) Requiring further observation ....	Nil														
(c) Other abnormalities of the chest ....	158 or 23.8%	—	—	1	2	9	—	36	2	65	—	42	1	153	5

# WELSH REGIONAL HOSPITAL BOARD—MASS RADIOGRAPHY SERVICE

Details of Mass Radiographic Survey carried out at Cowbridge General Population, December, 1953.

## Analysis in Age Groups

	Grand Total	Under 15		15-24		25-34		35-44		45-59		60 and Over		Totals	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F
Total number examined ...	609	76	8	152	44	47	58	39	53	36	46	23	27	373	236
Number found to be abnormal ...	41 or 6.73%	5	2	4	1	1	5	2	2	5	5	6	3	23	18
Classification of abnormal cases :—															
(a) Pulmonary tuberculosis	Nil														
(b) Requiring further observation ...	7 or 1.15%	2	1	1	—	—	1	—	1	1	—	—	—	4	3
(c) Other abnormalities of the chest ...	34 or 5.58%	3	1	3	1	1	4	2	1	4	5	6	3	19	15

## SANITARY SECTION

### SECTION C.—SANITARY CIRCUMSTANCES OF THE AREA

#### RAINFALL RECORDS FOR 1953

Month	St. Athan	M.G.W.B. Pwllwy	Tair Onen Nurseries	Plasnewydd Pentremeyrick	Llanharan
January ....	0.95	1.38	1.45	0.71	1.88
February ....	1.39	2.80	2.80	3.78	3.57
March ....	0.99	1.69	1.94	1.82	2.23
April ....	3.30	3.92	4.12	3.49	3.81
May ....	2.45	3.01	3.35	2.97	3.48
June ....	2.03	2.63	2.96	2.91	3.13
July ....	4.53	6.29	6.77	6.35	6.22
August ....	4.92	6.58	6.45	6.81	7.39
September ....	2.99	6.79	6.15	6.15	6.56
October ....	2.44	3.27	4.61	3.25	3.90
November....	2.77	3.88	2.52	3.95	4.25
December....	1.74	1.70	1.84	1.94	2.39
	30.50	43.94	44.96	45.80	48.81

The Rainfall Readings at Plasnewydd were kindly supplied by Mr. F. E. P. Dunn, those at Pwllwy by the Mid-Glamorgan Water Board, and the readings at Tair Onen by Mr. M. McNulty of The Forestry Commission.

Rainfall for 1953 (Llanharan Station)	....	....	....	48.81 inches
Rainfall for 1953 (St. Athan Station)	....	....	....	30.50 inches
Number of days with .01 ins. or more (Llanharan)	....	....	167	
Number of days with .01 ins. or more (St. Athan)	....	....	129	
Average rainfall for last 5 years (Llanharan)	....	....	53.63 inches	
Average rainfall for last 5 years (St. Athan)	....	....	40.59 inches	

## WATER

The distribution of water in this Area is carried out by the Mid-Glamorgan Water Board which was formed under a Local Act of 1921. The supplies of the Board are constant and interconnected throughout the Parishes of the Rural Area. The sources of supplies are protected springs in the areas of adjoining authorities, with the exception of the spring and pumping station at Trebettin, Llansannor. This latter, for the main part, supplies the centre area. The majority of the water supplied is hard but the small supplementary supply distributed from Mynydd y Gaer to the two northern parishes is much softer in character. There is no evidence of plumbo solvent action.

# BACTERIOLOGICAL EXAMINATION OF WATER, 1953

SOURCE	1ST QUARTER		2ND QUARTER		3RD QUARTER		4TH QUARTER	
	DATE	RESULT	DATE	RESULT	DATE	RESULT	DATE	RESULT
<b>A. PUBLIC MAINS.</b>								
Llanblethian ....	18/3/53	Satisfactory	4/6/53	Satisfactory	17/9/53	Unsatisfactory	1/12/53	Satisfactory
Llandow ....	18/3/53	Satisfactory	4/6/53	Satisfactory	17/9/53	Satisfactory	1/12/53	Satisfactory
Maendy ....	18/3/53	Satisfactory	4/6/53	Satisfactory	17/9/53	Satisfactory	1/12/53	Satisfactory
Trebetin, Llansannor	18/3/53	Satisfactory	4/6/53	Satisfactory	17/9/53	Satisfactory	1/12/53	Satisfactory
The Square, Llanharan	30/3/53	Satisfactory	11/6/53	Satisfactory	29/9/53	Satisfactory	15/12/53	Satisfactory
Rose Terrace, Llanharan	30/3/53	Satisfactory	11/6/53	Satisfactory	29/9/53	Satisfactory	15/12/53	Satisfactory
Brynna ....	30/3/53	Satisfactory	11/6/53	Satisfactory	29/9/53	Satisfactory	15/12/53	Satisfactory
Ynysmardy ....	30/3/53	Satisfactory	30/6/53	Satisfactory	29/9/53	Satisfactory	31/12/53	Satisfactory
Pembroke Street	30/3/53	Satisfactory	30/6/53	Satisfactory	30/9/53	Satisfactory	31/12/53	Satisfactory
Llantwit Major....	25/3/53	Satisfactory	30/6/53	Satisfactory	3/9/53	Satisfactory	31/12/53	Satisfactory
Llansannor ....	18/3/53	Satisfactory	—	—	17/9/53	Satisfactory	31/12/53	Satisfactory
Chapel Road, Llanharan	—	—	11/6/53	Satisfactory	—	—	31/12/53	Satisfactory
Llantwit Major Beach ....	—	—	—	—	3/9/53	Satisfactory	—	—
<b>CHECK SAMPLES</b>								
Llanblethian ....	—	—	—	—	{ 24/9/53 29/9/53	Satisfactory Satisfactory	— —	— —
<b>B. PRIVATE SUPPLIES.</b>								
Glamorgan Terrace, Brynna ....	30/3/53	Satisfactory	11/6/53	Satisfactory	29/9/53	Satisfactory	15/12/53	Satisfactory
Railway Terrace, Brynna	30/3/53	Satisfactory	11/6/53	Satisfactory	29/9/53	Satisfactory	15/12/53	Satisfactory
Seymour Avenue, Llanharan ....	30/3/53	Satisfactory	11/6/53	Satisfactory	29/9/53	Satisfactory	15/12/53	Satisfactory
Park Gate Lodge, Llanharan ....	30/3/53	Satisfactory	11/6/53	Satisfactory	29/9/53	Satisfactory	15/12/53	Satisfactory
The Kennels, Llanharan	30/3/53	Satisfactory	30/6/53	Satisfactory	29/9/53	Satisfactory	15/12/53	Satisfactory
Graig Melyn, Llanharan	30/3/53	Unsatisfactory	30/6/53	F. Satisfactory	29/9/53	Satisfactory	15/12/53	Satisfactory
Pistyll Arian, Llanharan	30/3/53	Satisfactory	11/6/53	Satisfactory	29/9/53	Satisfactory	15/12/53	Satisfactory
The Rectory, Llanilid....	26/2/53	Unsatisfactory	—	—	—	—	—	—
Stallcourt Bungalow, Llanblethian ....	—	—	—	—	27/8/53	Satisfactory	—	—
Spring Water, Morfa Rd. Llantwit Major ....	—	—	—	—	3/9/53	Unsatisfactory	—	—
Llantwit Major Beach Conveniences (Ablution)	—	—	—	—	3/9/53	Satisfactory	—	—
<b>C. PUBLIC WELLS AND SPRINGS.</b>								
Penllyn Inner Well ....	18/3/53	Satisfactory	4/6/53	Satisfactory	17/9/53	Unsatisfactory	1/12/53	Satisfactory
Penllyn Outer Well ....	18/3/53	Satisfactory	4/6/53	Satisfactory	17/9/53	Unsatisfactory	1/12/53	Unsatisfactory
Llysworney Well ....	18/3/53	F. Satisfactory	4/6/53	Unsatisfactory	17/9/53	Unsatisfactory	1/12/53	Unsatisfactory
Stallingdown Spring, Aberthin ....	18/3/53	Satisfactory	4/6/53	Satisfactory	17/9/53	Unsatisfactory	1/12/53	Satisfactory
Llanquian Road Pump, Aberthin ....	18/3/53	Satisfactory	4/6/53	Unsatisfactory	17/9/53	Unsatisfactory	1/12/53	Satisfactory
<b>CHECK SAMPLE</b>								
Stallingdown Spring, Aberthin ....	29/1/53	Satisfactory	—	—	—	—	—	—



# PROVISION OF WATER SERVICES IN THE PARISHES OF THE AREA

PARISH	No. of Dwelling Houses	No. of Houses on Mains Supply	No. Dependent on Wells, Springs, etc.	Mains Supply Sufficiency of Pressure	Chlorinated	Name of Suppliers	Remarks on Distribution
St. Andrews Minor	2	2	—	Satisfactory	Yes	M.G. Water Goard	M.G.W.B. Mains
St. Athan	264	258	6	do.	Yes	do.	do.
Colwinstone	66	59	7	do.	Yes	do.	do.
St. Donats	31	30	1	do.	Yes	do.	do.
Eglwysbrewis	14	14	—	do.	Yes	do.	do.
Flemingstone	28	27	1	do.	Yes	do.	do.
Gileston	16	14	2	do.	Yes	do.	do.
St. Hilary	42	40	2	do.	Yes	do.	do.
Llanblethian	282	266	16	do.	Yes	do.	do.
Llandow	70	70	—	do.	Yes	Major, M.G.W.B., Minor Cardiff R.D.	Major portion Minor portion Cardiff RD mains
Llanfair	42	38	4	do.	Yes	M.G.W.B.	M.G.W.B. Mains
Llangan	67	67	—	do.	Yes	do.	do.
Llanharan	640	597	43	do.	Yes	do.	do.
Llanharri	424	411	13	do.	Yes	Major M.G.W.B. & Minor Llantrisant R.D.	Major portion M.- G.W.B. Minor portion Llantri- sant R.D. Mains
Llanilid	28	22	6	do.	Yes	M.G.W.B.	M.G.W.G. Mains
Llanmaes	56	56	—	do.	Yes	do.	do.
Llanmihangel	10	8	2	do.	Yes	do.	do.
Llansannor	44	41	3	do.	Yes	do.	do.
Llantwit Major	784	775	9	do.	Yes	d9.	do.
Llyswoorney	47	44	3	do.	Yes	do.	do.
Marcross	29	27	2	do.	Yes	do.	do.
St. Mary Hill	47	42	5	d9.	Yes	do.	do.
Monknash	16	15	1	do.	Yes	do.	do.
Nash	3	2	1	do.	Yes	do.	do.
Penllyn	75	69	6	do.	Yes	do.	do.
Peterstone-s-Montem	506	480	26	do.	Yes	d9.	do.
Stembridge	1	1	—	do.	Part only	do.	do.
Ystradowen	66	56	10	do.	Yes	do.	do.
TOTALS	3,700	3,531	169	Proportion of Properties on Mains Water Supply = 95.4%			

Regular samples are taken from representative sections of the Board's mains as they deliver to houses. Similarly the private supplies in the area are sampled on a quarterly basis. Suitable action is taken when any supplies give samples which are below standard.

### **Extension of Water Mains**

The mains of the Mid-Glamorgan Water Board were extended in 1953 to serve the new Council Houses at Pantgwyn, Llanharry and Ystradowen. The water main serving Tynybryn Terrace was renewed during the year.

### **Observations**

#### **(a) MAINS SUPPLIES**

One of the samples taken from the Water Board's mains during the year gave an unsatisfactory result. Two check samples taken in the following week gave satisfaction that it was not below the usual high standard of the public supply.

#### **(b) PRIVATE SUPPLIES**

The upland stream impounded to give supply to Graig Melyn, Llanharan, produced two unsatisfactory samples during the year. The occupiers of the houses were warned of the unreliable source and advised to boil the water before consumption.

The unsatisfactory sample taken at The Rectory, Llanilid, was a request sample from stored rain water. A re-organisation and cleaning of the storage system here was undertaken by the owners.

The sample taken from The Spring at Morfa Road, Llantwit Major, was taken as a check on the supply used for a trailer caravan. The result was unsatisfactory and the caravan dweller was required to find an alternative supply of safe water.

#### **(c) PUBLIC WELLS AND SPRINGS**

There has been a decline in the use for human consumption of the water from the wells and springs mentioned, although these supplies form supplementary sources for animal and general agricultural purposes. Permanent notice boards are fixed at Llysworney Well, the outlet pipe from Stallingdown Spring, Aberthin, and the Llanquian Road Pump, Aberthin. The two wells at Penllyn gave unsatisfactory samples in the later part of the year. The opinion was formed here that the seasonal cleaning of the wells was overdue. This matter has been brought to the notice of the Parish Council concerned.

### Chemical Analysis of Water

<i>Address</i>	<i>Source</i>	<i>Date</i>	<i>Result</i>
1. Meiros House, Chapel Road, Llanharan.	M.G.W.B. Mynydd-y-Gaer Supply	11/6/53	A very soft faintly acid water containing a small amount of dissolved copper. The chemical and physical characters are satisfactory.
2. Housetap, The Square, Llanharan.	M.G.W.B. Mynydd-y-Gaer Supply	11/6/53	A very soft faintly acid water containing a trace of iron. The chemical and physical characters are satisfactory.

### Observations

The samples for chemical analysis were taken as a result of a complaint of discolouration of utensils in the Chapel Road area of Llanharan. The complainant was advised to run off a volume of water before consumption as there appeared to be a small quantity of dissolved copper from the water standing in the copper services to the household overnight. The matter was taken up with the Water Board to ensure that no lead pipe was in use in the area served by the faintly acid water.

### Swimming Baths

The only public swimming bath in the area is the one operated by the Borough Council on the bed of the River Thaw to the north of Cowbridge. These baths are very crude in construction and use is made of the untreated river water which constantly flows through.

No organised bathing was carried out here during 1953.

There are five privately owned baths in the area. These were not inspected during 1953 and not open to the general public.



## HOUSING

### Housing Act, 1936, Sections 11 and 12 (Demolition Orders and Closing Orders, etc.)

(a) Houses in respect of which undertakings not to relet were accepted by the Council during the year .....	25
(b) Demolition Orders made during the year .....	16
(c) Closing Orders made during the year .....	Nil
(d) Houses demolished during the year .....	6
(e) Tenants of condemned houses rehoused by the Council during the year .....	20
(f) Houses subject to Demolition Orders still occupied at 31st December, 1953 .....	34
(g) Houses where proposals to execute works were accepted .....	4

### Housing Act, 1936, Section 11.

Action was taken for individual Demolition Orders in respect of the following houses during the year under review :—

<i>No.</i>	<i>Address of Premises</i>	<i>No. of Premises Concerned</i>
1	No. 1 Village Farm, Llysworney .....	1
2	No. 2 Village Farm, Llysworney .....	1
3	Ton Brigam, Llansannor .....	1
4	Waun Cottage, Llanharry Meadow .....	1
5.	The Bungalow, Hill Head, Llantwit Major .....	1
6.	The Limperts, The Leys, St. Athan .....	1
7.	Pleasant View Bungalow, Llanharan .....	1
8.	No. 1, Pentwyn, Llanharan .....	1
9.	Farm Cottage, St. Hilary .....	1
10.	Rose Cottage, St. Hilary .....	1
11.	1, 2 and 3, Tydu Cottages, Llanharry .....	3
12.	Elder Cottage, Penylan .....	1
13.	1-12 inclusive, Glamorgan Terrace, Brynna .....	12
14.	1-4 inclusive, Railway Terrace, Brynna .....	4
15.	1 and 2, Plantation Bungalows, Llansannor .....	2
16.	1-4 inclusive, Brick Cottages, Llanharry Meadow .....	4
17.	3, Henefail, St. Mary Hill .....	1
18.	1, Caerysddu, Llansannor .....	1
19.	1-3, Millfields, Cowbridge .....	3
<b>Total</b>		<hr/> 41 <hr/>

## **Types of Council Houses**

At Pantgwyn, Llanharry, the Council have in progress a scheme for the erection of 278 Woolaway non-traditional houses. 210 of these are for miners and the remainder for general needs.

240 new Council Houses were completed and occupied during the year 1953 and 171 partly completed. The schedules attached set out the type of Council Houses built.

## **Housing Improvement Grants**

Two applications were made for improvement grants during the year and received the approval of the Ministry of Housing and Local Government.

## **Rural Housing Survey**

At the end of the year 2,591 of houses in the area had been surveyed. When arranging the housing programme the Council considered a report by the Sanitary Inspector of the replacements required in the various parishes to meet the needs for rehousing families in Category 5 dwellings.

The Council made Closing and/or Demolition Orders in respect of 41 houses during 1953. This represents a considerable step forward and is by far the highest number dealt with in any one year.

No particular difficulty was experienced and no appeals were made by the owners concerned.

There are still a large number of houses in Category 3 to be dealt with as and when circumstances permit.

It is hoped that with the introduction of the new housing legislation and the possibility of the easing of the conditions under which improvement grants are made, that many owners will avail themselves of the housing grants and proceed to recondition their properties in accordance with present-day standards.

A schedule setting out the number of demolitions, etc., and families rehoused since 1945 is set out below:—

**COWBRIDGE RURAL DISTRICT COUNCIL**

No.	PARISH	(a) Re-housed from Jan., 1945-Dec., 1952	(b) Rehoused 1953	TOTAL of (a) and (b)	Scheduled houses still occupied	Houses Classified for Demolition but not Scheduled.
1	St. Andrews Minor	—	—	—	—	—
2	St. Athan ...	6	—	6	—	11
3	Colwinstone ...	4	—	4	—	4
4	St. Donats ...	1	—	1	—	1
5	Eglwysbrewis ...	—	—	—	—	—
6	Flemingstone ...	—	—	—	—	—
7	Gileston ...	3	—	3	1	3
8	St. Hilary ...	2	—	2	5	1
9	Llanblethian ...	4	3	7	2	9
10	Llandow ...	—	—	—	—	—
11	Llanfair ...	—	—	—	—	1
12	Llangan ...	—	—	—	—	6
13	Llanharan ...	—	2	2	3	—
14	Llanharry ...	7	3	10	6	2
15	Llanilid ...	—	—	—	—	—
16	Llanmaes ...	—	—	—	—	1
17	Llanmihangel ...	—	—	—	2	—
18	Llansannor ...	6	1	7	2	4
19	Llantwit Major ...	9	—	9	2	—
20	Llyswoorney ...	—	—	—	1	2
21	Marcross ...	—	—	—	—	—
22	St. Mary Hill ...	4	1	5	—	3
23	Monknash ...	—	—	—	—	—
24	Nash ...	—	—	—	—	—
25	Penllyn ...	2	—	2	1	7
26	Peterstone-s-Montem	11	11	22	9	11
27	Stembridge ...	—	—	—	—	—
28	Ystradowen ...	7	—	7	—	3
	TOTALS	66	21	87	34	69

# RURAL HOUSING SURVEY

Table showing Comparative Position at 31st December, 1950, and 31st December, 1953.

	31/12/50					31/12/53				
	COWBRIDGE					COWBRIDGE				
1. Total number of houses in the district ....	3,402					3,700				
2. Number of houses of £15 rateable value or less ....	3,189					3,487				
3. Present classification of houses in (2) above	<i>*Category</i>					<i>*Category</i>				
	1	2	3	4	5	1	2	3	4	5
NUMBER OF HOUSES ....	1,530	469	328	—	273	1,528	528	394	—	141
PERCENTAGE OF TOTAL SURVEYED	58.85	18.04	12.61	—	10.5	58.90	20.40	15.30	—	5.4
NUMBER OF HOUSES OVERCROWDED	25	6	10	—	38	19	—	2	—	7
4. Number of houses in Category 5 on which Demolition Orders have been effected	19 Demolition Orders 21 Official Undertakings 1 Unofficial Undertaking					43 Demolition Orders 63 Official Undertakings 4 Unofficial Undertakings				

**\*Key**—*Category 1*—Satisfactory in all respects

*Category 2*—Minor defects

*Category 3*—Requiring repairs and structural alterations or improvements

*Category 4*—Appropriate for reconditioning under the Housing Act, 1949

*Category 5*—Unfit for habitation and beyond repair at reasonable expense

## Coal Mining (Subsidence) Act, 1950

There are many houses in the village of Llanharan showing evidence of subsidence and the National Coal Board employ a staff of building tradesmen who are constantly engaged upon renewing ceilings, adjusting doors and windows, filling in cracks, etc.

Under the above Act the Coal Board have power to give notice to the effect that major repairs to properties will not be carried out until subsidence has ceased. They do, however, undertake minor repairs as stated above.

## COUNCIL HOUSES BUILT IN COWBRIDGE RURAL DISTRICT (Details supplied by Mr. W. R. Hawkins, The Surveyor.)

	2 BR/NP	3 BR/NP	3 BR/P	4 BR/NP	4 BR/P	Airey	Total
Prior to 1945 .....	—	280	288	—	6	—	574
From 1945-52 .....	—	14	252	—	7	108	381
During 1953 .....	23	28	164	—	25	—	240
TOTALS .....	23	322	704	—	38	108	1,195

A summary of the housing progress made during 1953 is given below :—

	COUNCIL SCHEMES		Private Enterprise	TOTAL
	Permanent	Reconditioned Bungalows		
Houses completed and occupied .....	240	—	20	260
Partly completed .....	171	—	10	181

## Occupation of Military Camps

### (a) BOVERTON CLOSE

Thirteen huts on this site were still occupied on the 31st December, 1953. During the year many inspections were made and it was found that generally speaking, the majority of these huts were affected by condensation and other forms of dampness.

Several families were moved to permanent Council houses during the year.



(b) CASTLETON CAMP, ST. ATHAN

At the end of the year 5 families remained in occupation of huts on this site. The conditions of this camp are unsatisfactory, and early rehousing of the remainder of the occupants is most desirable.

As these huts become vacant arrangements are made for their demolition.

(c) LLANDOW SITES

Forty-six families are housed on these hatted sites. The conditions at Llecchmore are reasonably satisfactory but the huts at St. Donats and Highfield Close are of a very poor type and the nature of the ground in many instances is such that some are flooded during very heavy rainfall.

The huts are provided with mains water and drainage, a water closet and electricity.

(d) MARCROSS CLOSE

8 families were in occupation of these huts at the end of the year. Conditions on the site are far from satisfactory and it is necessary for the site to be demolished when permanent houses are available for the occupants.

Each hut is provided with electric light, mains water and drainage to a sewage disposal works and a water closet.

### **General Conditions of Occupied Camps**

Many complaints were received during the year from occupants of camps. The complaints were principally of dampness, condensation, etc., and several reports were submitted to the Public Health Committee where it was thought that the health of the occupants was affected by the unsatisfactory conditions.

## **PUBLIC CLEANSING**

(a) REFUSE COLLECTION

The collection of refuse is carried out under the direction of the Sanitary Inspector. Collections are made throughout the whole of the area with the exception of individual isolated farm houses.

A weekly kerbside collection is made at St. Athan, Gileston, Boverton, Llantwit Major, St. Donats, Marcross, Monknash, Llandow, Llysworney, Nash, Colwinstone, Sigginstone, Llanmaes, Eglwysbrewis,, Flemingstone, St. Mary Church, Llandough, St. Hilary, Llanblethian

Penllyne, St. Mary Hill, Llangan, Treoes, Llansannor, Aberthin, Penylan, Trerhyngell, Newton, Macndy, Ystradowen, Llanilid, and Pantgwyn Housing Site, Llanharry.

Twice weekly kerbside collections are made in the mining areas at Llanharry (except Pantgwyn), Llanharan, Brynna, Bryncae, Ynysmardy and Pembroke Terrace.

At the Royal Air Force Station, St. Athan, daily collections are made from all Cookhouses and Messes. The remainder of the Camp has various collections as the type of premises demands.

Llandow Royal Air Force Station has a weekly collection generally, but a twice weekly collection is made at Cookhouses, etc. This latter service was introduced during the year.

A weekly collection is also made at Cowbridge Town. The Borough Council pay the whole of the cost of this service.

### Provision of Refuse Bins

Difficulty in obtaining galvanised refuse bins resulted in less activity in the provision of refuse bins except to Council Houses, where in many cases rust-proofed bins were issued in place of the galvanised bins.

Later in the year galvanised bins were again obtainable and the Council proceeded to deal with the villages of Llantwit Major and Boverton in the southern part of the area.

The Council also hire bins at 5/- per annum and 339 bins were on hire at the end of the year. These are principally at Llanharan and Brynna with several at Llantwit Major and Boverton. In addition, the Council sell bins to householders at a reduced rate.

The position of the scheme at the 31st December, 1953, is as follows :—

Council Houses provided with bins .....	1,061
Bins on Hire (at Llanharan, Brynna, Llantwit Major and Boverton) .....	339
Bins purchased from the Council .....	245
	<hr/>
	1,645
	<hr/>

In addition to the above the Airey type Council Houses were provided with bins by the Contractor engaged in the erection of the houses and many householders made their own arrangements.

## Vehicles and Staff

The cleansing staff consists of :—

(1) Loaders/Drivers	.....	3
(2) Loaders	.....	7
(3) Tip Men	.....	1

The cleansing vehicles are :—

(1) One 10 cube yard "Chelsea" S. and D. Freighter	.....	1949
(2) One interchangeable 10 cube yard "Chelsea" Freighter/ Cesspool Emptier	.....	1949
(3) One 10 cube yard "Chelsea" S. and D. Freighter	.....	1950
(4) One 1,100 gallon S. and D. Cesspool Emptier	.....	1951

## Salvage

Income derived from the sale of salvage during 1953 : £2 18s. 6d.

## Refuse Disposal

The whole of the refuse collected within the area (including the Royal Air Force Stations at Llandow and St. Athan and the Borough of Cowbridge) is disposed of at the following refuse disposal sites :—

(a) LLANHARRY ROAD, LLANHARAN. This site was on lease from an Estate. During the year the Estate sold the land to the tenant farmer, who in turn, sold  $13\frac{1}{2}$  acres to the Rural District Council at a cost of £50 per acre.

The site now acquired will enable refuse to be deposited here for very many years to come. It is conveniently placed for easy access from the populated areas of Llanharan, Brynna and Llanharry together with some of the villages to the north of Cowbridge.

(b) LLANMIHANGEL. This site was leased in 1941 for a period of 21 years and is used for all refuse collected south of Cowbridge Town including the Royal Air Force Stations and Cowbridge Borough.

The fencing was extended during the year to the limit of the boundary of the land under lease and the culvert was extended to enable further tipping to take place. In addition, a bulldozer was hired to remove the turf from the new tipping area and this was spread over the area of land where tipping had been completed.

The light ferrous scrap at the tip was collected during the year by an arrangement with the National Scrap Drive Committee with a view to baling on the tip at an early date.



The amount of refuse collected in the area during 1953, compared with the previous year, is as follows :—

		1953	1952
Lorry No. 1	.....	938 Loads	902 Loads
Lorry No. 2	.....	459 „	425 „
Lorry No. 3	.....	828 „	795 „
		<hr/>	<hr/>
		2,225 „	2,122 „
		<hr/>	<hr/>

### Cesspool Emptying

The District Council undertake cesspool emptying by direct labour. A modern 1,100 gallon vacuum operated cesspool emptier is used for this purpose.

This service is available to all householders in the area four times a year without charge. Additional cleansings are charged at the rate of £1 10s. 0d. for domestic cesspools. Larger cesspools serving factories, etc. are charged on an hourly basis for all work exceeding the free services.

In Addition, the Council undertake cesspool emptying for isolated houses at St. Athan and Llandow R.A.F. Stations four times a year without charge.

The Council also empty grease traps attached to the Royal Air Force Station, St. Athan and this service is charged to the Air Force Authorities.

In addition to giving this service to residents in the Rural Area the cesspool emptier is available for hire to the Cowbridge Borough Council and other neighbouring authorities who pay the whole cost of the work involved.

The new Rural Housing Sites recently constructed with cesspool drainage are making a heavy demand for a cesspool emptying service. The cesspool serving the new housing site at Ynysmardy, Aberthin, Llandow and Llanblethian call for regular cleansings.

It is proposed to provide a small sewage disposal plant for Ynysmardy which will obviate the necessity of cesspool emptying, and the cesspools at Aberthin and Llanblethian will be eliminated when the new sewerage scheme now in course of construction has been completed.

A table indicating the considerable increase in this work since the scheme was commenced in 1949 is set out below.

Cesspool emptying	1949	.....	204
	1950	.....	405
	1951	.....	577
	1952	.....	830
	1953	.....	1,308

Income from Cesspool Emptying (in excess of free services)  
£346 4s. 8d.

### Scavenging of Streets and Highways

The Glamorgan County Council carry out the scavenging of streets and highways in all cases where highways have been taken over by them. The District Council employ a part-time labourer for the cleansing of streets on Sundays at Llantwit Major and also undertake the cleansing of roads on housing sites not taken over by the County Council.

### Public Conveniences

Public conveniences are provided at the main villages and townships in the area and details are set out below.

All the conveniences are maintained by part-time caretakers with the exception of Llantwit Major Beach where a full-time lady caretaker is employed during the summer months.

Conveniences cleansed by part-time caretakers are constantly damaged by the users, particularly the gentlemen's section.

A new urinal was erected at Brynna Village during the year.

A local public enquiry was held into the Council's proposal to construct a public convenience at Llanharan and approval was given by the Ministry of Housing and Local Government.

The Council discussed with the Bus Company and County Council representatives the question of providing a 'bus shelter at Llantwit Major incorporating a public convenience.

It seems that a new sanitary convenience will soon be required at Llanharry Village which is now considerably enlarged as a result of Council development.

St. Athan	.....	.....	W.C's for Males and Females and Male Urinal.
Llantwit Major Town			W.C's for Males and Females and Male Urinal.
Llantwit Major Beach			W.C's for Males and Females and Male Urinal.
Llanharry	.....	.....	Urinal only.
Llanharan	.....	.....	Urinal only.
Brynna	.....	.....	Urinal only.

## Cleansing of 'Bus Shelters

During the year the Sanitary Inspector submitted a report upon the desirability of some arrangements for cleansing bus shelters throughout the area and inspections were made of the 13 'bus shelters provided in the district.

Six of these shelters were found to be in a clean condition but the remainder were found to be generally in a very dirty state.

The owners of the shelters were written to asking them to make arrangements for weekly cleansing.

## Camping Sites

### (a) LICENCES FOR LAND

Five Camping Sites in the southern portion of the area were licensed during the summer months of the year. These were :—

<i>Site</i>	<i>Termination</i>
1. Land at Colhugh Meadow, Llantwit Major	..... 30th Sept., 1953
2. Land at Lower House Farm, Llantwit Major	..... 30th Sept., 1953
3. Land near Lighthouse, Marcross	..... 30th Sept., 1953
4. Land adjoining Ham Castle, Llantwit Major	..... 31st Oct., 1953
5. Land at White Eagle Camp, Gileston	..... 31st Oct., 1953

As reported in the year 1952, considerable improvement has been found in the general conditions of the sites in the area since the introduction of schedules of conditions attached to licences granted. This improvement was maintained during the year under review. Many supervisory and advisory visits were made to all the sites particularly at the periods of peak occupation. Improved supervision by the camp operators has developed and as a result all have been co-operative with the Health Department's Administration.

The sites are now generally tidy and well cared for as particular attention has been paid to indiscriminate storage of unsightly articles of equipment around and under the caravans. It is anticipated that some attention will be necessary regarding the caravans at Marcross, as these are getting rather old. The attention of the operator has been called to the state of the vehicles.

In the main the conditions imposed with the licences were as follows :—

1. The classes of dwellings permitted on the site to be limited to tents or mobile caravans and for the purpose of a licence the expression "mobile caravans" means trailer caravans specially designed and constructed for towing by private cars. The use of improvised vehicles is expressly prohibited.

2. That a distance of fifteen feet between tents or caravans and minimum distance of forty feet between rows of tents or caravans be maintained. No caravans or tents to be closer than twenty feet to the boundary of the site, and the density not to exceed twenty-five caravans to the acre.
3. A sufficient supply of wholesome water for the use of the occupants of every hut or caravan to be provided at a maximum distance from any caravan not exceeding one hundred yards.
4. Each caravan to be provided with an approved sanitary convenience to be maintained at all times in a sanitary condition. Closets for tents to be provided in the ratio of one for each sex to each ten tents. Liquid sewage matter must not be discharged into the ground.
5. Waste water gullies to be provided at convenient points on the site, and so arranged that the maximum distance from any caravan or tent is not in excess of one hundred yards.
6. Adequate ablution arrangements to be made adjoining the sanitary conveniences and arrangements for the disposal of waste water to be made in accordance with the specific requirements of the Council.
7. Where the conservancy system of closets is employed, the contents are to be collected by the site operator in a sanitary manner, and disposed of by burying in the ground, in lime, at least two hundred yards from the camping site and fifty yards from any water course.
8. Each caravan or tent to be provided with an approved pattern dustbin for refuse, and these are to be placed in a convenient position by the operator for emptying by the Council's lorry each week.
9. Holes not to be made on the camping site for any purpose whatsoever without prior consent from the Council.
10. Notice to be given immediately to the Medical Officer of Health at the District Council Offices, of any case or suspected case of infectious disease, and the owner of the site and the occupier of the moveable dwellings to comply with the instructions of the Medical Officer of Health necessary to secure the isolation and treatment of the patient and to prevent the spread of infection.
11. **Paraffin or Petrol** should not be stored or kept inside the caravan. **Calor Gas** or similar pressurised gas fuel containers should not be kept inside vans unless specially ventilated compartments are provided. Rubber connecting tubing for gas should not be used inside vans.

**Heating**—Where vans are being used as permanent or prolonged



dwellings the location and fitting of solid fuel stoves should be subject to inspection and approval.

Adequate fire-fighting appliances to be maintained by the site operator in accessible positions, to the approval of the Council.

12. That plans of any semi-permanent erections proposed be submitted to the Council for consideration under the Cowbridge Rural District Building Bye-Laws.
13. That the licence be granted for a limited period from 1st May, 1953, to 30th September, 1953.

#### (b) LICENCES FOR DWELLINGS

Individual licences were granted for the following caravan dwellings with fixed expiry or renewal dates :—

1. Rear of Strand Cinema, Llantwit Major (Steele).
2. Adjoining Roman Catholic Church, Llantwit Major (Magner).
3. Field at Fferm Wen, Flemingstone (Tripp).
4. Court Farm, Flemingstone (Tucker).
5. Near West Hall Farm, West Aberthaw (Simmonds).
6. Field at Llanmaes Road, Llantwit Major (Walton).
7. Gregory Farm, Flemingstone (Walker).
8. Court Farm, Flemingstone (Austin).
9. Near Dimlands Guest House, Llantwit Major (Clarke).
10. Near Dimlands Guest House, Llantwit Major (Meacham).
11. Near Dimlands Guest House, Llantwit Major (Rotchford).
12. Near Dimlands Guest Gouse, Llantwit Major (Stott).
13. Near Ash Villa, Colwinstone (Thomas).
14. The Verlands, West Street, Llantwit Major (Evans).
15. Orchard House, Boverton (Ray).
16. Court Farm, Flemingstone (Dalton).
17. Near Milllands Farm, Llanmaes (Westall).
18. Near Lower House Farm, Llantwit Major (Parry).
19. Near Bryncae Farm, Llanharan (John).

#### Cinemas

One cinema of modern design and permanent materials is licensed by the Council. Regular inspections are made to ensure that the premises are properly conducted to comply with the Public Health Act, 1936.

The Llanharan Cinema now uses non-inflammable films and does not come within the scope of the Act. The building is principally of temporary materials and generally below the standard desired.

## **Public Health (Aircraft) Regulations, 1938**

No further information has been forthcoming as to the possibility of the Llandow Royal Air Force Station being used for the reception of civilian traffic. With the development of the Wenvoe Aerodrome in the Cardiff Rural District it seems unlikely that the Llandow Air Force Station will now be used for civilian traffic.

## **Atmospheric Pollution and Smoke Abatement**

The atmosphere throughout the district is reasonably clear. In the southern portion of the area the prevailing west wind blows in from the sea. There is an absence of large dust or smoke producing factories but observations are kept in the area around the Aberthaw Cement Works and in the northern coal mining portion of the area as the occasion demands.

### **(a) ABERTHAW CEMENT WORKS**

These works are sited in the Cardiff Rural District but near the boundary of this area. Local complaints were received during the year but it was not necessary to take any action.

### **(b) LLANHARRY LIME WORKS**

These lime works have now been closed down and no further dust nuisance will arise here.

### **(c) COED ELY BY-PRODUCT WORKS**

A complaint was made by the Llantrisant and Llantwit Fardre Rural District Council of an alleged smoke nuisance from the above works, which are situated in the Cowbridge Rural Area.

The Medical Officer and Sanitary Inspector of the Llantrisant and Llantwit Fardre Council and the Medical Officer and Sanitary Inspector of the Cowbridge Rural District Council met the Manager of the works and inspected the factory. The factory is some 800 feet from the nearest house in Llantrisant area and no smoke was discharging into the Llantrisant Area at the date of the inspection.

Further inspections and observations will be made here.

## **Factories Act, 1937**

As a result of communications received from H.M. Inspector of Factories three informal notices were served for the repair and cleansing of sanitary accommodation provided for employees. These were complied with.



(a) INSPECTION OF FACTORIES :

Premises	No. on Register	Inspections	Notices
Factories in which Sections 1, 2, 3, 4 and 6 are enforced by the Council .....	7	9	Nil
Factories not included in above in which S.7 only is enforced by the Council .....	37	34	3
TOTAL .....	44	43	3

(b) CASES WHERE DEFECTS WERE FOUND :

Particulars	Found	Remedied	Referred by H.M. Inspector
Want of Cleanliness (S.1) .....	—	—	—
Overcrowding (S.2) .....	—	—	—
Unreasonable Temperature (S.3) .....	—	—	—
Inadequate Ventilation (S.4) .....	—	—	—
Ineffective Drainage of Floors S.6 .....	—	—	—
Sanitary Conveniences (S.7) :			
(a) Insufficient .....	—	—	—
(b) Unsuitable or Defective .....	1	3	2
(c) Not separate for Sexes .....	—	—	—
Other Offences against the Act (not including Offences relating to Outwork) .....	—	—	—
TOTAL .....	1	3	2

### Outworkers

The following table sets out the numbers of outworkers known to be engaged in employment at their home addresses for factories which are situated outside this Area.

Nature of Work	No. of Workers	Sex	Proceedings Taken
Glove Making .....	3	Female	Nil

### Poultry Keeping on Council Property

A detailed report on a suggested standard for poultry keeping on Council Housing Estates was submitted by the Sanitary Inspector to the Council and approved during the year.

It was decided that the standard should apply to all new Council Houses and be applied to existing Council Houses in one year's time.

A summary of the standard is set out below :—

1. LIMITATION OF STOCK. That the poultry be kept on a domestic need basis only.

2. HOUSING Poultry may be kept
  - (1) In intensive poultry houses,
  - (2) In roosting houses with covered scratching sheds,
  - (3) In laying batteries,
  - (4) In a combination of 1, 2 and 3.
3. Minimum floor space should be 5 sq. ft. per bird in the intensive poultry houses and 10 sq. ft. per bird in roosting houses and scratching sheds. Floor to be raised at least 9 inches above ground level and the building should not exceed 7 ft. 6 ins. in height in residential areas.

Removable dropping boards to be available under perches and sufficient ventilation provided.

Adequate natural lighting should be provided.
4. Poultry houses to be thoroughly cleansed at least once weekly and the refuse arising stored in a covered flyproof container or in a properly kept compost heap.
5. Poultry food to be kept in verminproof containers.

### **Eradication of Domestic Pests**

#### **(a) FLEAS**

Two premises were treated with D.D.T. Spray and powder during the year. One of these was an annual treatment of a summer hostel in the coastal area where young persons are housed for weekly periods. Both treatments proved to be satisfactory.

#### **(b) COCKROACHES**

Infestations are continually brought to light during inspections and by complaint by occupiers of houses. The major portion of the complaints come from the northern portion of the area where coal mining is carried on. Every assistance is given to householders in an endeavour to eradicate these pests from their houses. 16 premises were treated during the year, with insecticide powders which gave the desired effect.

#### **(c) ANTS**

Supplies of specially made-up ant bait traps were made available to persons complaining of infestations in their houses. In all cases subsequent inspections showed that the treatments were successful.

## Rodent Control

The Council's campaign against rodents in the Area was continued during the year with the employment of a Rodent Operative. Systematic treatments were made wherever infestations were found.

The Ministry of Agriculture's methods of destruction are employed and in all instances have been found to be effective. Much use has been made of the anti-coagulant material "Warfarin" mixed with a bait base of medium oatmeal. The results obtained have completely justified costs involved in time and material. The Ministry's recommendations for poisons to be used in sewer baiting have been adhered to.

### (a) SURFACE INFESTATIONS

Details of the inspections made and treatments carried out are given in the table attached.

### (b) SEWER TREATMENTS

Sewers which are known to be reasonably free from infestations are test baited annually. The remainder, which consist mainly of the older sewerage systems, are treated twice a year as required by the Ministry of Agriculture. These latter do not now include the soil and surface water sewers and the Glamorgan County Council road surface water box drains at Llantwit Major. The successful baiting of these sewers and general clearance of rodents in the town by individual surface and block treatments have brought the Ministry of Agriculture's recommendation that these need only be test baited annually until it is obvious that general treatments are necessary again.

Details of the treatments are summarised below :—

### PREVENTION OF DAMAGE BY PESTS ACT, 1949

#### SUMMARY OF RODENT CONTROL WORK, 1953

	No. of Properties	Properties Inspected	Infestations found	Treatment carried out
Local Authority ....	15	42	5	5
Private Dwellings ....	707	1,053	90	67
Business Premises ....	139	196	20	24
Agricultural ....	220	184	16	—
TOTAL ....	1,081	1,475	131	96

## SEWER RODENT CONTROL

**Details of Treatment of Sewers for Rats during the year ending  
31st December, 1953**

Sewerage Scheme	Manholes in System	Manholes showing prebait take	
		March, 1953	November, 1953
St. Athan .....	103	—	2
Llanharry .....	42	—	—
Boverton .....	49	—	—
Llantwit Major .....	104	—	10
Llanharan .....	108	17	18
Brynna .....	44	4	8
<b>TOTALS</b> .....	<b>450</b>	<b>21</b>	<b>38</b>

**Note.**—St. Athan, Boverton, Llanharry & Llantwit Major were test baited for rats in November, 1953, only, as these are new systems and have been declared by the Ministry of Agriculture as sewers which only need test baiting annually.

### Drainage and Sewerage

#### (a) COWBRIDGE AND LLANBLETHIAN JOINT SEWERAGE SCHEME

Work on the above joint scheme was commenced in 1953 and was still in progress at the end of the year.

The work involved includes 13,100 yards of public sewer together with a pumping station, rising mains and a biological plant. It is presumed that part of the scheme should be operated during 1954.

#### (b) EXTENSION OF LLANHARRY SEWAGE DISPOSAL WORKS

The approval of the Ministry of Housing and Local Government was received for the proposed enlargement of the above works to deal with the considerable housing developments in the village.

#### (c) YNYSMARDY SEWAGE DISPOSAL WORKS

A Local Public Enquiry was held by an Inspector of the Welsh Office of the Ministry of Housing and Local Government for the necessity of the above scheme and the Ministry's approval was received during the year.

The new sewerage disposal plant will replace the existing insanitary disposal works and will also include the new Council Houses already built and dealt with by means of a temporary cesspool.

Work on this disposal scheme should commence during 1954.

#### (d) COUNCIL HOUSING SITES

The Council completed the sewage disposal works at Marcross Housing Site during the year.

#### (e) ST. ATHAN AND GILESTON NO. 3 SCHEME (SEA OUTFALL AND SEWERAGE WORKS AT GILESTON VILLAGE)

Representations were made by the Glamorgan River Board with

Samples of the sewage together with samples of the river both above and below the point of entry, were taken by the River Pollution Officer and the Sanitary Inspector and the results indicated that the amount of sewage discharged into the river reduced the oxygen content very considerably and was a potential danger to fish life, and pollution of the river banks.

The Council considered the matter and gave instructions to the Engineers to order the necessary fittings for the permanent sea outfall works.

## Closet Conversions, 1953

The Council made a uniform grant of £9 6s. 0d. towards the cost of closet conversions carried out and the number of applications during 1952 and 1953 are set out below.

(a)	Applications made and approved in 1952	.....	26
		1953	14
(b)	Works completed satisfactorily in 1952 (Llantwit Major)	.....	13
	" " " " (St. Athan)	.....	8
			—21
	" " " " 1953 (Llantwit Major)	.....	9
	" " " " (St. Athan)	.....	1
			—10

## DRAINAGE WORKS CARRIED OUT DURING 1953

### CONNECTIONS TO PUBLIC SEWERS

Scheme	CONNECTIONS TO PUBLIC SUPPLY					Business		Total
	Houses	Factories	Premises	Schools				
Tylagarw .....	—	—	—	—				—
Llanharry .....	178	—	1	—				179
Llanharan .....	14	—	2	—				16
Llantwit Major .....	17	—	—	—				17
Boverton .....	—	—	—	—				—
Marcross Housing Site .....	8	—	—	—				8
St. Athan.....	3	—	—	—				3
Ystradowen Housing Site .....	8	—	—	—				8
Brynna .....	2	—	—	—				2
TOTALS .....	230	—	3	—				233

(a) Provision of new drainage works and/or cesspool to existing houses	33
(b) Inspection of drainage, sewers, and Sewage Disposal Works	795



**SCHEDULE SHOWING MODE OF DRAINAGE DISPOSAL OF HOUSES IN AREA  
AS AT 31ST DECEMBER, 1953.**

<i>Total Houses</i>	<i>Drainage</i>		
	<i>To Sewer</i>	<i>To Cesspool</i>	<i>Unsatisfactory or no Drainage</i>
3,700	2,322	744	634
100%	62.8%	20.1%	17.1%

**Closet Accommodation**

- (a) Number of earth closets converted to water carriage system .. 33  
 (b) Number of water closets provided to new dwellings .. .. 260

**SCHEDULE SHOWING TYPES OF CLOSETS IN AREA AS AT 31ST DECEMBER, 1953**

<i>Water Closets</i>	<i>Earth Closets, Vaults, etc.</i>	<i>Total</i>
2,870	830	3,700
77.6%	22.4%	100%

## FOOD HYGIENE

### **Educational Activities**

In view of the scattered nature of the district it has not been found possible to arrange any lectures on food hygiene, neither are there sufficiently interested food traders to formulate a Clean Food Guild. The educational activities of the Council have been limited to calls and talks with individual food traders in their own premises. It is thought that in a district of this type this method of educating traders in modern ideas of food hygiene is adequate.

### **Clean Food Campaign**

During 1948 all the food premises coming within the scope of Section 13 of the Food and Drugs Act, 1938, were inspected. This resulted in 53 Informal Notices being served for the requirements of Section 13 to be complied with. These Informal Notices were followed up during 1948 and the subsequent year and the works were carried out.

In the following years special campaigns were carried out with regard to particular types of food premises and routine visits were made to all premises where food is prepared and/or sold.



In 1950 the District Council applied to the Ministry of Food for confirmation of Model Byelaws for securing observance of sanitary conditions in connection with the handling, wrapping and delivery of food. These Byelaws were approved and came into operation on the 11th September, 1950.

During 1951 and 1952 a special survey was conducted of all inns in the area, with regard to sanitation, glass washing arrangements, ventilation, lighting and structural conditions. The defects found were communicated to the Brewery Companies or owners concerned and a considerable amount of work was carried out.

The full requirements have not yet been completed but the progress made is set out below.

### **Schedule of Works Carried out in Licensed Premises in the area as a Result of Informal Action**

#### **(a) WORK COMPLETED**

- (1) THREE HORSE SHOES, MARCROSS. New sanitary convenience for licensee. Sink with hot and cold water provided in bar.
- (2) WHITE LION, LLANTWIT MAJOR.—New sanitary convenience provided for ladies and gentlemen, together with urinal accommodation. Hot and cold water provided in bar. Decoration of premises.
- (3) WHITE LION, YSTRADOWEN. New ladies' sanitary convenience provided. Sink with hot and cold water provided in bar, premises completely redecorated.
- (4) BOARS HEAD, TYLAGARW. New sanitary convenience and washing arrangements provided for licensee. New sink with hot and cold water provided in bar.
- (5) TURBERVILLE, LLANHARAN. New sanitary convenience and urinal provided for gentlemen.
- (6) STAR INN, TREOES. New sanitary convenience provided for ladies, gentlemen and licensee. New cellar provided complete with hot and cold water to sink.
- (7) CITY INN, LLSANSANNOR. New sanitary convenience provided for ladies and gentlemen. Sink with hot and cold water provided.

#### **(b) PLANS HAVE BEEN APPROVED FOR THE WORKS TO BE CARRIED OUT AT THE FOLLOWING PREMISES :—**

- (1) Three Horse Shoes, St. Athan (Works in progress).
- (2) Blacksmiths Arms, Llanmaes.

(c) PLANS ARE BEING PREPARED FOR WORKS AT THE FOLLOWING :—

- (1) Fox and Hounds, Llanharry.
- (2) Bear Inn, Llanharry.
- (3) Bush Inn, St. Hilary.
- (4) Mountain Hare, Brynna.

### **Manufacture of Sausages, etc.**

There are now 15 registered manufacturers of sausages, pressed meats, etc., and the manufacturers of sausages provide small amounts for the various butchers in the area.

Regular inspections are made of the premises which have to comply with the Council's standard and requirements of the Food and Drugs Act, 1938.

### **Milk Supply**

#### **(a) BACTERIOLOGICAL EXAMINATION**

The tables attached show a continued increase in the number of dealers and supplementary licences granted by the Council in respect of designated milks. The quantity of designated milks available throughout the area is now far in excess of the raw milk retailed. Indeed, Tuberculin Tested or Pasteurised milk is now available in almost every parish and village in the district. A large quantity of the milk retailed throughout the area is received by the retailers in bottles from licenced pasteurising plants.

The results of samples of milk taken for bacteriological examination during the year were almost all satisfactory and there were very few instances where unsatisfactory results were obtained. Where unsatisfactory samples of ungraded milk were taken the cases were referred to the Ministry of Agriculture and Fisheries' Officers for their observations.

#### **(b) EXAMINATION OF MILK FOR BRUCELLA ABORTUS**

The Public Health Laboratory Service commenced examining certain samples of milk for the presence of brucella abortus during the year. This organism is present in milk of cows which have recently suffered from bovine contagious abortion and is also attributed to recent vaccination against this disease. Consumption of milk containing this organism might give rise to undulant fever.

The milk from a Tuberculin Tested herd was examined during the year and was found to contain brucella abortus. Immediate arrangements were made for the milk to be pasteurised until such time as the cow or cows concerned were isolated. Individual samples from the cows were taken by the Sanitary Inspector which resulted in one cow

being proved positive. The milk of the remaining cows was allowed to be consumed in its raw state, but the milk from the affected cow was kept separate and pasteurised.

In all, 14 samples of milk were taken in connection with the investigations.

The Divisional Veterinary Officer of the Ministry of Agriculture and Fisheries was kept informed of the investigations and the farmer called in his local veterinary officer to treat the infected cow.

During the cow's subsequent lactation period negative samples were obtained.

(c) TUBERCLE BACILLI

The District Council receive an allocation of 36 samples from the Glamorgan County Council each year for examination for the presence of tubercle bacilli. This allocation is very small particularly in view of the fact that there are approximately 300 producers of milk in the district. As the allocation is limited, samples are generally taken from Ungraded milks and occasionally Tuberculin Tested milk retailed within the area.

In addition, special samples are taken as a matter of routine from the milk supply delivered to all notified cases of non-pulmonary tuberculosis particularly where glands are affected.

During the year 44 samples were taken and no positive results were obtained.

### Milk Licences granted by the District Council

(a) Dealers' Licences : Pasteurised	.....	.....	.....	15
(b) Dealers' Licences : Tuberculin Tested	.....	.....	.....	8
(c) Dealers' Licences : T.T. (Pasteurised)	.....	.....	.....	12
(d) Dealers' Licences : Sterilised Milk	.....	.....	.....	4
(e) Supplementary Licences : Pasteurised	.....	.....	.....	2
(f) Supplementary Licences : Tuberculin Tested	.....	.....	.....	2
(g) Supplementary Licences : T.T. (Pasteurised)	.....	.....	.....	2
(h) Supplementary Licences : Sterilised	.....	.....	.....	Nil

### Licences granted by the Glamorgan County Council

(a) PASTEURISING ESTABLISHMENTS	.....	.....	.....	.....	1
			<i>Applications for</i>	<i>Cancellations</i>	
			<i>Registration</i>		
(a) Distributors	.....	.....	2	.....	Nil.
(b) Dairies	.....	.....	2	.....	Nil.
			<i>Number on Register at End of Year :</i>		
(a) Distributors	.....	.....	—	.....	19
(b) Dairies	.....	.....	—	.....	11

## Milk Samples

### (a) EXAMINATION FOR TUBERCLE BACILLI

Number of samples giving positive results	.....	Nil
Number of samples giving negative results	.....	36
		—36

(In addition 8 samples were taken for microscopical examination in connection with a special investigation. These were negative.)

### (b) MILK (SPECIAL DESIGNATIONS) REGULATIONS 1936-1946

Pasteurised Samples Satisfactory	.....	.....	18
Unsatisfactory	.....	.....	Nil
			—18

### (c) TUBERCULIN TESTED TOTAL SAMPLES

Samples satisfactory, Methylenc Blue	.....	.....	6
Samples unsatisfactory, Methylene Blue	.....	.....	-
			—6

### (d) TUBERCULIN TESTED (PASTEURISED) SAMPLES

Samples satisfactory	.....	.....	.....	.....	5
Samples unsatisfactory	.....	.....	.....	.....	Nil
					— 5

### (e) UNGRADED MILK SAMPLES

Samples satisfactory	.....	.....	.....	.....	.....	10
Samples unsatisfactory	.....	.....	.....	.....	.....	2
						—12

### (f) BRUCELLA ABORTUS

Positive samples	.....	.....	.....	.....	5
Negative samples	.....	.....	.....	.....	8
					—13

TOTAL MILK SAMPLES TAKEN ..... 90  
—

## Disposal of Condemned Foods

All meat condemned in butchers' shops has to be returned through trade channels to the Ministry of Food centralised slaughterhouses where they have a contract for the disposal of unfit foods.

Small supplies of individual unfit foods are surrendered to the Sanitary Inspector for condemnation and are disposed of by burning or burying as the type of food product demands.

## Ice Cream

Of the four persons registered by the Council for the manufacture of ice cream in the area only two actually manufactured ice cream during the year.

Regular inspections were made of the manufacturers' processes and samples taken were generally in grades 1 or 2. The remaining retailers of ice cream purchase from recognised registered manufacturers in other areas. The majority of these samples too were in grades 1 or 2.

A comparison of analyses with previous years since sampling was commenced in 1947 shows a marked and gradual increase in the number of samples in Grade 1 with a corresponding decrease of samples in Grades 2 and 3.

The Council have a standard for all premises manufacturing and selling ice cream and inspections are made before registrations are granted. Routine inspections are made of premises but it was not found necessary to take any official action under the Ice Cream (Heat Treatment) Regulations, 1947.

#### THE RESULTS OF SAMPLES OF ICE-CREAM DURING 1953

<i>Provisional Grade</i>	<i>Provisional Classification</i>	<i>No. of Samples</i>
Grade 1 .....	Satisfactory .....	32
Grade 2 .....	Fairly Satisfactory .....	5
Grade 3 .....	Unsatisfactory .....	1
Grade 4 .....	Very Unsatisfactory .....	1
TOTAL SAMPLES .....		39

#### COMPARISON OF ANALYSES WITH PREVIOUS YEARS

<i>Provisional Grade</i>	<i>Percentage of Samples in Coxbridge Rural Area</i>						
	1947	1948	1949	1950	1951	1952	1953
1 .....	9.0	25.0	40.0	55.8	78.1	79.4	82.1
2 .....	4.5	8.5	10.0	13.9	2.4	14.7	12.8
3 .....	45.5	50.0	35.0	23.3	7.3	5.9	2.5
4 .....	41.0	16.5	15.0	7.0	12.2	—	2.5

## FOOD INSPECTION

### Slaughter of Bacon Pigs

Inspection of pigs slaughtered for bacon in the area was again carried out during the winter months. Details of the places and persons slaughtering were obtained from the Ministry of Food and carcasses and offal were examined immediately after dressing.



During the year 208 carcasses were inspected, and the following table sets out the post-mortem results for comparison with the years 1950-52.

There was a slight decrease in the number of pigs killed in the period. The decline in percentage of pigs found to be affected with tuberculosis will be noted from the table.

#### Registration of Food Premises, 1953

<i>Registrations</i>	<i>No. on Register at beginning of year</i>	<i>New Applications</i>	<i>Can- cellations</i>	<i>Trans fers</i>	<i>No. on register at end of year</i>
For the preparation and manufacture of Sausages, Potted, Pressed, Pickled, or preserved foods intended for sale ....	16	—	1	—	15
Ice-cream Manufacturers ....	4	—	—	—	4
Ice-cream Retailers	31	7	3	3	35

	1950	1951	1952	1953
Number inspected ....	84	332	326	208
A. All Diseases except Tuberculosis :— Whole carcasses condemned ....	Nil	Nil	Nil	Nil
Carcasses of which some part or organ was condemned ....	4	8	5	10
Percentage of the number inspected affected with diseases other than Tuberculosis ....	4.8	2.4	1.5	4.8
B. Tuberculosis only :— Whole carcasses condemned ....	Nil	1	Nil	Nil
Carcasses of which some part or organ was condemned ....	13	61	38	12
Percentage of the number inspected affected with Tuberculosis ....	15.5	18.7	11.3	5.7

Where tuberculous pigs were discovered the farmers concerned were advised regarding the disinfection of the pig-sty and equipment. Samples of milk for tubercle bacilli were taken where the disease appeared to be of bovine origin and the Divisional Veterinary Officer of the Ministry of Agriculture informed.



# SUMMARY OF MEAT AND FOODS CONDEMNED DURING 1953

	<i>lbs.</i>	<i>ozs.</i>
Sugar .....	882	0
Beef .....	524	12
Pork .....	393	0
Butter .....	168	0
Lard .....	112	0
Margarine .....	108	0
Tinned Pie Apples .....	62	8
Condensed Milk .....	51	4
Tinned Plums .....	41	11
Cornflakes .....	40	12
Ham .....	19	15
Peeled Tomatoes .....	21	4
Minced Beef .....	15	6
Tinned Peas .....	14	10½
Soup Powder .....	14	0
Cheese .....	13	14
Tinned Beans .....	10	8
Tinned Cherries .....	5	10
Tinned Peaches .....	5	4
Tinned Pears .....	5	0
Sardines .....	4	6
Salad Cream .....	4	4
Pickles .....	3	12
Grapefruit .....	3	0
Tinned Carrots .....	2	14
Bottled Pears .....	2	7
Chopped Pork .....	2	4
Table Salt .....	1	8
Tinned Puddings .....	1	0
Tinned Pineapple .....	1	0
Orange Curd .....		14½
Mayonnaise .....		7
		<hr/>
		2,537lbs. 3 ozs.

## FOOD AND DRUGS ACT, 1938—ADULTERATIONS, ETC.

Samples taken by the County Sanitary Inspector in the area of the  
Cowbridge Rural District during the year ended 31st December, 1953.

Milk	....	....	....	....	177
Corn Flour	....	....	....	....	2
Tea	....	....	....	....	2
Coffee and Chicory Essence	....	....	....	....	4
Lemon Curd	....	....	....	....	2
Cake Mixture	....	....	....	....	2
Baking Powder	....	....	....	....	2
Table Jelly	....	....	....	....	3
Jam	....	....	....	....	1
Canned Rhubarb	....	....	....	....	1
Butter	....	....	....	....	1
Sponge Mixture	....	....	....	....	3
Orange Squash	....	....	....	....	2
Halibut Liver Oil	....	....	....	....	1
Canned Sterilised Cream	....	....	....	....	1
Blancmange Powder	....	....	....	....	1
Rice	....	....	....	....	1
Sauce	....	....	....	....	2
Fish Paste	....	....	....	....	1
Meat Paste	....	....	....	....	3
Ice Cream	....	....	....	....	1
Mincemeat	....	....	....	....	1
Sage and Onion Stuffing	....	....	....	....	1
Custard Powder	....	....	....	....	1
Canned Fish	....	....	....	....	1
					217

One sample of Ice Cream was found, on analysis, to be deficient in fat to the extent of not less than 50 per cent. Proceedings were taken against the Vendor resulting in a fine of £7 10s. 0d., plus 15/- Analyst's fee. Two samples of milk were found, on analysis, to contain 4 per cent. of added water each. Proceedings were taken against the Vendor resulting in fines of £6 plus £1 10s. 0d. Analyst's fees.

## Sanitary Inspection of the Area, 1953

	No. of Inspections	Informal Notices	Work Done	Work in hand	Work not done	Statutory Notices	Work done	Work not done	Work in hand	Undertakings Closing Orders and Demolition Orders
Sewers and Sewage Disposal	366	2		1	1					
Drains .....	429	42	39	8	5	1			1	
Meat, Food & Food Hygiene	389	16	10	6						
Dairies and Milk Distribution	150									
Housing .....	559	19	12	5	2	2	2			41
Housing Recorded Inspections	108									
Public Health Acts & Nuisances	500	37	29	4	4	2	2			
Infectious Disease .....	78									
Disinfections & Disinfestations	30									
Workshops, Factories, etc. ....	43	3	3							
Refuse Collection & Disposal	1819									
Water Supplies .....	142	1	1							
Cinemas .....	8									
Petroleum and Explosives .....	21									
Works in Progress .....	43									
Rodent Control .....	98									
Miscellaneous.....	1348									
<b>TOTAL</b> .....	<b>6131</b>	<b>120</b>	<b>84</b>	<b>24</b>	<b>11</b>	<b>5</b>	<b>4</b>		<b>1</b>	<b>41</b>

**Note**—The above excludes works carried out by the Council's Works Department on Council property.

\*Includes work carried out as a result of statutory notices served during previous year.

In conclusion, I wish to thank the members of the Council and Chief Officials of the Departments, together with the staff of the Health Department for their co-operation and assistance during the year.

I am, Lady and Gentlemen,

Your obedient Servant,

G. MCKIM THOMAS,

July, 1954.

*Medical Officer of Health.*











